

INTERNATIONAL SEARCH REPORT

International Application No.
PCT/DE 03/02272

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04J14/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04J H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>HEISMAN F ET AL: "AUTOMATIC POLARISATION DEMULTIPLEXER FOR POLARISATION-MULTIPLEXED TRANSMISSION SYSTEMS"</p> <p>ELECTRONICS LETTERS, IEE STEVENAGE, GB, vol. 29, no. 22, 28 October 1993 (1993-10-28), pages 1965-1966, XP000421562</p> <p>ISSN: 0013-5194</p> <p>page 1965, left-hand column, paragraph 1</p> <p>-page 1966, left-hand column, paragraph 3; figure 1</p> <p style="text-align: center;">--- -/--</p>	1-10

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

8 document member of the same patent family

Date of the actual completion of the international search

27 January 2004

Date of mailing of the international search report

03/02/2004

Name and mailing address of the ISA

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INTERNATIONAL SEARCH REPORT

International Application No.
PCT/DE 00/272

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No. .
Y	BIGO S ET AL: "10.2Tbit/s (256x42.7Gbit/s PDM/WDM) transmission over 100km TeraLight fiber with 1.28bit/s/Hz spectral efficiency" OPTICAL FIBER COMMUNICATION CONFERENCE. (OFC). TECHNICAL DIGEST POSTCONFERENCE EDITION. ANAHEIM, CA, MARCH 17 - 22, 2001, TRENDS IN OPTICS AND PHOTONICS SERIES. TOPS. VOLUME 54, WASHINGTON, WA: OSA, US, vol. 1 OF 4, 17 March 2001 (2001-03-17), pages PD251-PD253, XP010545710 ISBN: 1-55752-655-9 page PD25-1, paragraph 1 -page PD25-2, paragraph 1; figure 1 ---	1-10
E	EP 1 345 347 A (KDDI SUBMARINE CABLE SYSTEMS I) 17 September 2003 (2003-09-17) paragraph '0002! - paragraph '0004! paragraph '0006! - paragraph '0012! paragraph '0015! - paragraph '0023! paragraph '0025! - paragraph '0027! paragraph '0031! - paragraph '0036!; figures 1,3 paragraph '0040! - paragraph '0047!; figures 8,9 paragraph '0055! - paragraph '0069!; figures 10-12 ---	1-6,10
P,X	US 6 580 535 B1 (SCHOENFELDER THORSTEN) 17 June 2003 (2003-06-17) column 2, line 15 - line 52 column 3, line 16 - line 58; figure 1 column 6, line 23 -column 8, line 19; figures 3,4 ---	1,3-5, 7-10
A	WO 02 060096 A (AXE INC ;RAO HEMONTH (US); JACOB JOHN (US); LAGASSE MICHAEL (US)) 1 August 2002 (2002-08-01) page 2, paragraph 8 page 4, paragraph 14 -page 5, paragraph 20 page 7, paragraph 30 -page 8, paragraph 37; figures 1,2 page 9, paragraph 40 -page 11, paragraph 51 page 12, paragraph 53 -page 13, paragraph 58; figure 4 page 14, paragraph 64 -page 16, paragraph 71 -----	1,3-5; 7-10

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Publication No

PCT/DE 2272

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1345347	A	17-09-2003	JP 2003338805 A	28-11-2003
			EP 1345347 A2	17-09-2003
			US 2003175033 A1	18-09-2003
<hr/>				
US 6580535	B1	17-06-2003	NONE	
<hr/>				
WO 02060096	A	01-08-2002	EP 1374452 A2	02-01-2004
			WO 02060096 A2	01-08-2002
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